

From owner-qrp-l@netcom.com Tue Nov 22 06:31:52 1994  
Date: Mon, 21 Nov 1994 08:15:57 -0500  
From: prvalko <prvalko@vela.acs.oakland.edu>  
Message-Id: <199411211315.IAA26506@saturn.acs.oakland.edu>  
Subject: (fwd) MFJ QRP rigs

Path: news1.oakland.edu!newsxfer.itd.umich.edu!gatech!swrinde!pipex!uunet!blkcat!  
not-for-mail

>From: David.Edger@f239.n109.z1.fidonet.org (David Edger)  
Date: 20 Nov 94 22:06:00 -0500  
Newsgroups: rec.radio.amateur.equipment  
Subject: MFJ QRP rigs  
Message-ID: <e4f\_9411202339@blkcat.fidonet.org>  
X-Mail-Agent: GIGO+ sn 28 at blkcat vsn 0.99 pl1  
Organization: Fidonet: The Frequency Forum - (703) 207-9622  
Lines: 14

I've been eyeing the small QRP rigs MFJ is advertising. Have spoken with a couple of people who seem happy with the CW versions, but have yet to hear anything about the SSB "travel radio."

My main interest is in CW, but I like the idea of getting the SSB version, adding the CW chip, and having a somewhat more agile rig that I could use mainly for listening, but with the possibility of an occasional contact.

Anyone had any experience with the MFJ? Would like to hear your comments.

73 de DAVE AA5NU

-----  
Fidonet: David Edger 1:109/239  
Internet: David.Edger@f239.n109.z1.fidonet.org

From owner-qrp-l@netcom.com Tue Nov 22 00:14:22 1994  
Message-Id: <199411220358.TAA27956@holonet.net>  
Subject: 450 ohm ladder line  
Date: Mon, 21 Nov 94 19:58:25 PST  
From: John Seboldt <rohrwerk@holonet.net>

On 11-19-94 Mike.Czuhajewski@hambbs.w wrote to qrp-l@netcom.com:

> I'm getting to put my 40 meter loop back up, this time with ladder  
> line instead of coax, so have been following this topic with interest.  
> I don't think anyone has yet mentioned lightning protection,  
> something I am quite paranoid about.

Basically, you just use a spark gap to ground from each side of the line. If you want a static drain, just put some 1 megohm resistors to ground too.

```
: John Seboldt  rohrwerk@holonet.net / I am Bach of Borg...
: Amateur radio K0JD... / your style will be
: Church of the Annunciation, / assimilated.
: Minneapolis /
```

From owner-qrp-l@netcom.com Mon Nov 21 17:54:27 1994  
Message-Id: <m0r9f2m-000BZtC@mercury.mcs.com>  
Date: Mon, 21 Nov 1994 14:09:39 -0600  
From: johnflem@popmail.mcs.com (John Fleming)

Subject: Re: Back to Dummy Loads...

>  
>What is the consensus about offer items for sale  
>on this list?

I vote no. Too much stuff on already, and R.R.A.Swap  
isn't even used. R.R.Swap seems to get it all. And the  
more often I see things for sale, the more I want to  
buy whether I need it or not!

From owner-qrp-l@netcom.com Mon Nov 21 21:52:18 1994  
Date: Mon, 21 Nov 1994 15:47:11 -0500 (EST)  
From: "David Moody, KD8NY" <MOODY@Admin.Rose-Hulman.Edu>  
Subject: Re: Back to Dummy Loads...  
Message-Id: <01HJQVVL740E02HWH0@ADMIN.Rose-Hulman.EDU>

Hmmm...

IN%"miker@cc.com" writes...  
>What is the consensus about offer items for sale  
>on this list?

>  
>=====

>7.3 de Michael aa0ub	( formerly kd6wdd and kg0ot )
>miker@cc.com	---=<< I'm the last 'S' in KISS >>=---

>=====

I've only been on this list for little over a month now, and my opinion  
is that I would welcome it, provided that it had to do with the list.  
I mean, let's not go selling 3-500Zs on here, unless you are expecting  
them to run VERY!!! cool.

Well, SS SSB was fun this last weekend. Again, I was (A) at a club  
station, but I did hear quite a few (Q) exchanges out there. In fact,  
there were some that our 100W (ooh, that hurts) had to have been melting  
their receivers, because they were S9+20dB, and they were running QRP!

Just my two milliwatts worth...

-----  
David A. Moody | E-mail: David.Moody@Rose-Hulman.edu  
Admin. Programmer/Analyst | Wk Ph: 812.877.8183  
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD

Terre Haute, IN USA 47803 | (VMS Rules!!!)  
! Finger: mgrdam@crux.Rose-Hulman.edu

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Any facts expressed within belong to everybody.  
Any opinions expressed within are my own and are not  
necessarily the same as my employer, family, friends, etc.  
It is up to you to know the difference.

From owner-qrp-l@netcom.com Tue Nov 22 05:33:37 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Re: Back to Dummy Loads...  
Date: Mon, 21 Nov 94 21:42:08 EST5EDT  
Message-Id: <1994Nov21.214208.13049@wb3ffv.ampr.org>

Consensus on items for sale on this list? As I have pointed out in numerous private e-mails to anyone bringing up the topic of "inappropriate" FOR SALE postings (ie, they are supposed to be on r.r.swap), not everyone can post to r.r.s. My own access lets me read and write to r.r.amateur.whatever, and read only on anything else on rec.radio, ie, cannot post to r.r.swap. Admittedly, my situation is probably pretty unusual, and for the most part "they" are right about posting only to r.r.swap. However, if I had something useful to a QRPer, I'd probably post it right here on qrp-l, even though I do have the capability to post to r.r.swap from the system at work. Why? This mailing list is a de facto club or community, with a common interest, and I'd always prefer to offer something for sale to a close circle of family or friends before I put an ad in the local paper. Similarly, if I have something of interest to QRPers, I'd probably post it here first, to give them first shot at it. For instance, I am thinking strongly of selling my Kenwood TS-670, which is a 4 band QRP rig--it covers 40, 15, 10 and 6 meters, SSB/CW (and FM if it had the optional FM module), at a nominal ten watts output on all. (It lasted for a few years in the mid eighties, but went out when they came out with their first all-band HF rig which had a twin brother with 6 meters added onto it.) When/if I do, I'd probably post it here first--something like that is of very definite interest to QRPers, wouldn't you agree? And many people would probably agree, at least somewhat, that they'd rather see it offered here. How about an HW-8, HW-9, TS-130V, Argo 509, etc...wouldn't you rather see them offered to the QRP community first? (I'd draw the line with something like a linear amp, a computer, etc.) Make that one vote FOR posting for-sales on the qrp-l mailing list, with qualifications. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Mon Nov 21 21:57:17 1994  
Message-Id: <0FF9D02E0156ACD1@mhs.hcjb.com.ec>  
Date: Mon, 21 Nov 94 16:19:13 -0500  
From: "McVicar, Richard" <rmcvicar@mhs.hcjb.com.ec>  
Subject: catalogues with kits?

.... .. from the Andes:

Could anyone send me the names and addresses of companies with a mail-order service that sell QRP rigs in put-it-together-yourself kit form? A ham friend tells me that there are many such kits available but I don't know where to start in looking for one. Any advice on particular kits is welcome.

Thank you and 73 from the home of the quad,

Rich

```
=====
Richard R. McVicar, HC1JMN      ..      HCJB-The Voice of the Andes
Frequency Manager/             .. ..    Casilla 17-17-691
DX Partyline                   ..      .. Quito
HCJB                           ..      .. ECUADOR
                                ..
                                HCJB
```

Internet: rmcvicar@mhs.hcjb.com.ec  
Telephone: 593-2-466-808, extension 441

Operator by-pass with touch-tone: 593-2-466-612, ext. 441  
FAX: 593-2-447-263

"If I have the gift of prophecy and can fathom all mysteries and all knowledge, and if I have a faith that can move mountains, but have not love, I am nothing."

-Paul, to the Corinthians (1 Cor.13:2)

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=====
From owner-qrp-1@netcom.com Tue Nov 22 02:59:53 1994
Date: Mon, 21 Nov 94 19:35:38 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9411220535.AA02076@kahuna.math.hawaii.edu>
Subject: Re: catalogues with kits?
```

Rich and the Gang,

The ARRL has an outstanding email service containing dozens and

dozens of files - one of the files has the names and addresses of kit manufacturers. Send an email to: info@arrl.org and only write:

help  
index  
quit

and what you'll get back will be a long index of all the files available by email. Look for the one called KITS.TXT or something like that and order it according to the instruction.

.73 from Hawaii,  
Jeff NH6IL

From owner-qrp-l@netcom.com Mon Nov 21 18:24:55 1994  
Date: Mon, 21 Nov 1994 18:14:22 GMT  
From: John Garrett <John@antenna.demon.co.uk>  
Message-Id: <1710@antenna.demon.co.uk>  
Subject: Century22 Broadcast QRM

In message <9411211558.AA18477@cc.com > Mike Robinson writes:  
>.....I hear broadcast all the time. My solution is  
> to just move elsewhere on the band. However, the frustration  
> inspired me to write the outline for a novel regarding  
> the subject.

Mike, that sounds a novel solution ... ;-) When do we see it in the book-shops?

but, seriously, can you tune the BC interference on your C21? It covers the whole 80m band on my C22. Bob, AA8LJ also finds that he can't tune it, so we can't dodge it.

I shall try a trap in the ant lead to start with - series tuned at 6.8MHz (+/- a few 100kHz) to ground. If that looks promising I will put it in the receive path, just after the T/R switching. It can't be the T/R switching diodes causing the problem, can it? The audio would never make it all the way to the a.f. amp....

Let you know how it goes.

72 de John

```
-----  
|      John Garrett      | john@antenna.demon.co.uk |  
| Tel (work):+44 1473 644 280 | Compu$erve: 100064,1370 |  
| Fax (work):+44 1473 644 604 | g3rhp@amsat.org      |  
-----
```

From owner-qrp-l@netcom.com Mon Nov 21 14:16:17 1994

Date: Mon, 21 Nov 1994 09:09:50 -0600 (CST)  
From: Jeff Gold <JMG@tntech.edu>  
Subject: email address  
Message-Id: <01HJQHVS5PHM0BTSF7N@tntech.edu>

HI,

sorry to have to do this..but does anyone know Bill Kelsey's email address..seem to have miss-placed it.

thanks

73

Jeff

PS I worked an hour or so of the SS contest.. used my Omni VI at 3.8 watts.. 99% of the people commented on the high quality of the signal. and on 20 meters with Quad.. was 59 or 59+ in many cases.. who says QRP/SSB isn't effective.. worked most people on first call. On 40 meters using a tuner for the quad (20 meter quad) wasn't quite as effective..but still didn't have much problem. Going to have to try one of these contests QRP for real one of these days

From owner-qrp-l@netcom.com Tue Nov 22 05:36:37 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Re: email address  
Date: Mon, 21 Nov 94 21:48:40 EST5EDT  
Message-Id: <1994Nov21.214840.13049@wb3ffv.ampr.org>

Bill Kelsey = N8ET@DELPHI.COM  
73 and Queue Our Pea DE WA8MCQ  
--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Nov 22 05:01:39 1994  
Date: Mon, 21 Nov 94 22:53:40 PST  
Message-Id: <9411220653.AB26173@altair.csustan.edu>  
From: dh@altair.csustan.edu (Doug Hendricks)  
Subject: Epiphyte Kits Gone

The ten Epiphyte kits are GONE!!!! What a response. There is a lot of interest in SSB QRP. Here are the ten who will be getting the kits:

Clark Turner  
Mont Pierce  
David Feldman  
Ron Majewski  
Stephen Lee  
Stan Goldstein  
Richard Fisher  
Bruce Florip  
Darrell Bellevive  
Vern Wright

Thanks to all who responded.  
72, Doug KI6DS

From owner-qrp-l@netcom.com Mon Nov 21 06:15:50 1994  
Date: Mon, 21 Nov 1994 01:03:09 -0800 (PST)  
From: "John D. Spittle" <jds@freenet.vancouver.bc.ca>  
Subject: EPIPHYTE TRANSCEIVER  
Message-Id: <Pine.3.89.9411210017.A25379-01000000@freenet.vancouver.bc.ca>

The PCB LAYOUT on p. 49 of the December 1994 issue of QRPP shows TWO 2-pole Molex connectors (top center) - one each for +12V & PTT. This would require drilling two additional holes in the PCB supplied by Far Circuits. The design intended the use of a SINGLE 3-pole connector and the Far PCB is drilled to accomodate one. The PTT line assumes that there is a common ground system to the Epiphyte and the amplifier.

The undrilled pad on the board is intended only as a ground connection if Molex connectors are not used.

I have just finished an excellent QSO with Doug KI6DS in Dos Palos from Vancouver, BC using an Epiphyte + amp. I'd be interested in hearing how others are making out.

72 Derry VE7QK

From owner-qrp-l@netcom.com Tue Nov 22 05:34:01 1994  
Date: Mon, 21 Nov 1994 20:48:42 -0700 (MST)  
From: Robert Cutter <bcutter@csn.org>  
Subject: Fox Hunt  
Message-Id: <Pine.3.89.9411212035.A24910-01000000@teal.csn.org>

Excellent QRP ears out there tonight:

AB5OU  
K9MWM



WW7Y  
K06KA  
W0DSW  
KD6ZMT, twice-on each frequency  
N4AOX  
WB4TP

and NN9K on 160 for a special test.

Good job all.

72, Bob KI0G

From owner-qrp-1@netcom.com Mon Nov 21 14:12:14 1994  
Date: Mon, 21 Nov 1994 08:56:52 -0500 (EST)  
From: James Prentice WA2MZF <PRENTICE@scanva.canton.edu>  
Subject: HW Cap Part # 26-152  
Message-Id: <01HJQHDL9N6000F4U@scanva.canton.edu>

Hi All.

I recently picked up a HW8 rig. For the most part it is ok, however turning the main tuning did not effect any freq change. Pulled unit apart to find the rotor laying on pc board. I have recently read that this was a problem with the earlier HW8 rigs. We are talking about heath part number 26-152 which has a capacitance of 6.2 - 17.2 is is labeled c302/ab on the schematic.

Ok the question is, what about repair/replacement of this cap ?

For the time being I have set it back in place and put some crazy glue on it. " it works " however have to pull apart again as I do not have it seated on the shaft enough thus it is hitting as we go thru the range.

Any help would be appreciated. tks.

WA2MZF

From owner-qrp-1@netcom.com Tue Nov 22 05:37:00 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Re: HW Cap Part # 26-152  
Date: Mon, 21 Nov 94 21:47:17 EST5EDT  
Message-Id: <1994Nov21.214717.13049@wb3ffv.ampr.org>

Argh...the old "rotor plates sitting on the HW-8 circuit board" trick! I have handled about 3 HW-8's like that. In one case I was lucky that

Heath still had the part (years ago). In another, I managed to stuff them back into place and they held in place. In another, I was completely unsuccessful in doing that. If you can get them back into place, you might want to hit them with some epoxy for added mechanical strength. And now for a word of heresy--if all you're interested in is using the HW-8, not in restoring it as a collectors item, don't forget that you can stuff any other variable cap in there that will physically fit, probably have to modify the VFO circuitry a bit to compensate for the different capacitance, probably have to take off the dial and draw a new one on it with custom-made freq ticks, but at least it would WORK. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Nov 22 02:03:25 1994  
From: rohrwerk@holonet.net  
Date: Mon, 21 Nov 1994 19:54:58 -0800  
Message-Id: <199411220354.TAA27891@holonet.net>  
Subject: inductors for audio fil.

On 11-14-94 david@rmit.edu.au wrote to qrp-l@netcom.com:

> In the belief that Toko inductors were not available here, I have been  
> experimenting with winding high value inductors (100 and 120mH) on  
> toroids to make the 1kHz lowpass filter for the R2 that was sent to  
> the list by John K0JD.

It's actually an 850 Hz lowpass filter design -- slightly lower than the 1 kHz provided by Kanga.

> However, a search of a catalog from a Sydney based mail order Co.  
> called 'Farnell Electronics' revealed that they stock the Toko 10RB  
> series chokes in values from 33 to 120mH. I could have saved myself a  
> lot of winding!!

Just out of curiosity, David, what did you end up with to get into the 100 mH range? Remember, toroids probably would pick up less hum than the Toko items.

> I now have the required values and am putting together the filter to  
> test, and am wondering what the higher Q of my hand wound inductors  
> will do to filter performance. My coils are typically 10ohm while the  
> commercial ones are ~70ohm. I can always reduce the effective Q with  
> parallel resistors.

Don't know about the Q; definitely the lower resistance will cut the loss.

> The filter is a 7th order elliptical low pass filter with f.cutoff of  
> 850Hz and minimum stopband attenuation of 70dB intended for CW  
> reception.  
>  
> Interested in any comments.....  
>  
> 72 David VK3JKP

Anyone want a repost of the filter, ask David or me.

: John Seboldt rohrwerk@holonet.net / I am Bach of Borg...  
: Amateur radio K0JD... / your style will be  
: Church of the Annunciation, / assimilated.  
: Minneapolis /

-> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-1@netcom.com Mon Nov 21 14:19:59 1994  
From: KELL@mpac.jsc.nasa.gov  
Date: Mon, 21 Nov 1994 8:59:25 -0600 (CST)  
Message-Id: <941121085925.eb@mpac.jsc.nasa.gov>  
Subject: Re: It's here!

Subj: It's Here!!

Gang,

I stopped at the old Texas Towers (actually it is a drive out  
of the way home, but not sacrifice too large...) to see what  
was new and low and behold the brand spanking new 1995 ARRL  
Handbook for Radio Amateurs is out and it's huge and it's not  
light reading either. :-)

For \$30 USofA you get one heck of a deal. It's a paperback,  
thus there is no hardcover anymore. Guess the cost of production  
overran demand for same. Save the 1994 gang if you want hard-  
cover.

.  
. .  
. .

gl es dx

dit dit  
SIG

Chuck Adams K5FO CP-60  
adams@sgi.com

Yes, all that is real good, but there is one thing that our modest professor has failed to mention - at the very beginning, in that part that nobody reads, the authors are listed. Among a lot of others that frequent this space, all of whom I can't remember, the name of Professor Adams is nicely placed. Unfortunately, they don't tell what sections they wrote. So us tell Prof, what section(s) did you write? FB.

Actually, it is a real tome. Almost too heavy to carry. Next edition will have to come in two parts, Vol1 and 2. What they need to do is have a modification book, that tells what has been added and removed each year so that you can keep an up-to-date version without using up all that wall space that could be used for electronics

Is there a market in older handbooks?

Ted Kell@mpac.jsc.nasa.gov  
KC5CUW/AA

From owner-qrp-l@netcom.com Tue Nov 22 06:44:55 1994  
From: mont@netcom.com (Mont Pierce)  
Message-Id: <199411221045.CAA06076@netcom19.netcom.com>  
Subject: Re: Listing things for sale  
Date: Tue, 22 Nov 1994 02:45:42 -0800 (PST)

WHOA!! What are all these no votes for listing forsale items?! All the qrp gear I have I've bought from items listed here. The whole purpose of this mailing list is to promote qrp...so if you want to list qrp gear for sale, I vote YES.

If it's not qrp gear, then I'd agree with the rest of the no votes. Put it on one of the usenet newsgroups instead of here.

72  
km6wt  
--  
Mont Pierce

```
+-----+
| Ham Call: KM6WT           Internet:  mont@netcom.com |
|   bands: 80/40/20/15/10/2 |
|   modes: cw,ssb,fm        |
+-----+
```

From owner-qrp-l@netcom.com Tue Nov 22 06:04:57 1994

From: Toshiyuki Ando <ando@oecj.co.jp>  
Message-Id: <9411211020.AA07768@take.oecj.co.jp>  
Subject: Low Pwr Comm Vol-III (fwd)  
Date: Mon, 21 Nov 94 19:20:51 JST

Rich wrote:

> Hi Gang:  
> Vol-III QRP Hardware is about ready to go to the publisher. I have an urgent  
> need to GOOD quality Black & White photos of the following QRP equipment:  
> 1. FT-7B  
> 2. FT-3012 (plus any accessories)  
> 3. Argo 505  
> 4. Argo 535 (Argo-II)  
> 5. T-T Scout model 556 (QRP version)  
> 6. Index Labs QRP Plus  
> 7. A&A Eng QRP Xcvr  
> 8. MFJ 9020 Xcvr & tuner  
> 9. TS-130V (plus accessories)  
>  
> Anyone who has some photos please contact me at k7yha@ao.com ASAP! :You will  
> receive full photo credit and my eternal gratitude.  
>  
> In October I heard a rumor that T-T had discontinued their Delta-II and  
> Argo-II as of the end of Sept. Last week I heard (from another source) that  
> the Argo-II was still in the product line and that the Delta-II had been  
> discontinued. Anybody have any SOLID info on this?  
>  
> 72 Rich  
>

RICH, CAN YOU PLEASE LET US KNOW ABOUT THE BOOK, VOL 3 QRP HARDWARE?

- WHO IS THE PUBLISHER?
- WHEN WILL IT BE PUBLISHED?
- WHAT WILL BE THE PRICE?

```
#####  
#                                     #  
#   Toshi Ando           $B0BE1(J $B=S9,(J           #  
#   Sales & Marketing $B%;!<%k%9!u%^!<%1%F%#%s%0(J   #  
#   OEC JAPAN           ($B3t(J)OEC JAPAN           #  
#           Tel:(81)-423-72-7060           #  
#           Fax:(81)-423-72-7066           #  
#           e-mail:ando@oecj.co.jp           #  
#                                     #
```

#####

From owner-qrp-1@netcom.com Tue Nov 22 06:39:55 1994  
Message-Id: <2ece7d3e.pandora@pandora.uucp>  
Date: Sun, 20 Nov 1994 06:33:31 +0800  
From: "W. Daniel 9V1ZV" <pandora!daniel>  
Subject: MC1350 Noise, Again! I know I know!

On Fri, 18 Nov 94 19:09:54 -0800, "DJ Wang" <djwang@nmrsg.biophys.upenn.edu>  
wrote:

> 1). Is the NN1G board suitable for SSB work? I don't know whether it is  
> a class C or AB design. If it is class C, is there a quick fix for it?

The receive can probably be modified. The transmit side however requires heavy  
modification and changes. Its class C right now. Not recommended for  
modification to SSB operation. Just my opinion.

> 2). The finished receiver seems to have a higher level of background  
> noise (hiss) as compared with my Icom-730. It has no preamp before the  
> DBM, but have two MC1350 IF stages (tuned). It also has an AGC. I have  
> seen it somewhere that MC1350 is a bit noisy, is it the true? I had built

Yes, the MC1350P is surprisingly noisy part as far as I am concerned and theres  
nothing very much you can do about it other than making sure you are properly  
matched at the input and output, set the gain correctly. I suppose 2 MC1350P's  
would be even noisier.

> a NN1G MKII, 40m rig a month ago. Although the audio was low, but I did  
> not noticed any excessive background noise.

The NN1G actually has a filter to damp the output noise so it is not as  
apparent, but its there if you remove the filtering caps. Filtering helps I  
suppose, and that's something you may want to try but the noise is inherent.  
Maybe an SL6440 based design would be better but I have not seen any comparison  
reports as yet. Philips/Signetics in fact produces comparable parts but again  
no one has as yet ventured very much away from the basic MC1350P design due to  
the ease of its implementation.

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel%pandora@csah.com |
| 9V1ZV      | daniel.wee@f516.n600.z6.fidonet.org |
| UUCP1.12j  | Packet: 9V1ZV @ 9V1VS.SGP.AS -- |
+-----+-----+
```

A public-opinion poll is no substitute for thought  
-- Warren Buffet --

From owner-qrp-l@netcom.com Tue Nov 22 00:52:23 1994  
Date: Mon, 21 Nov 1994 21:42:01 -0500 (EST)  
From: Daver <daver@nando.net>  
Subject: Mizuho 40 Meter rig.  
Message-Id: <Pine.SUN.3.90.941121213524.25214A@merlin.nando.net>

I have gotten an old Mizuho 40 Meter SSB/CW QRP Handitalkie.  
It has one crystal covering about 7.075 - 7.100 Mhz.  
The receiver works but no transmit RF.  
I didn't get a manual with it.  
I would like to find a manual or schematic for it and  
some info on the VX0 crystal frequencies.  
Anyone ever used one of these?  
73 - Dave,N4ELM.

From owner-qrp-l@netcom.com Tue Nov 22 01:29:57 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: New QQ tech editor  
Date: Mon, 21 Nov 94 22:40:17 EST5EDT  
Message-Id: <1994Nov21.224017.14794@wb3ffv.ampr.org>

Doesn't look like my posting on this topic made it, so here goes again:  
Thanks to those who responded to my call for volunteers to take over  
from Dave Benson. All had good qualifications, and the winner was  
WB6TPU, whose name/call appears on the list from time to time. Dave  
sent me his left-over articles; those on disk will be touched up and  
forwarded, and those which require scanning or typing in will be sent  
to 'TPU so he can start out by "paying his dues"! 73 and Queue Our Pea  
DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Nov 22 06:33:14 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: New tech editor for QRP Quarterly  
Date: Sat, 19 Nov 94 16:11:25 EST5EDT  
Message-Id: <1994Nov19.161125.22735@wb3ffv.ampr.org>

There were several applications for the position, all with good  
qualifications, and a choice has been made--Ray Anderson, WB6TPU, also  
known as raymonda@uranium.ebay.sun.com. 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
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From owner-qrp-l@netcom.com Tue Nov 22 06:32:13 1994  
Date: Mon, 21 Nov 1994 13:14:04 -0500  
From: Scott Cranston <cranston@zk3.dec.com>  
Message-Id: <9411211814.AA26225@alpha.zk3.dec.com>  
Subject: no qrp-l activity

I haven't received and qrp-l email in about 2 weeks now.... has the group  
been quite, or did I get unsubscribed???

Scott  
KB1NW

From owner-qrp-l@netcom.com Tue Nov 22 02:43:34 1994  
Message-Id: <9411220544.AA03284@elmailer.asic.mtv.nec.com>  
Date: Mon, 21 NOV 94 21:36:15  
From: Charles Furnweger <CHARLES@asic.mtv.nec.com>  
Subject: Output transistor protection

I was wondering if anyone could advise me on the use of a zener diode  
to protect the output transistor in a QRP rig. I have a RadioKit 30  
and blew the output transistor by transmitting into a improperly  
adjusted loop antenna. I would like to add some protection to  
the output transistor to prevent this from happening again, but I am  
not sure what I need to take into consideration before adding a  
zener diode to the output.

One concern I have is that the capacitance of the zener will upset  
the tuning of the output filter of the rig. Is this a valid concern?

What would be a good circuit to use? What should be voltage  
breakdown of the zener (the output transistor is a MRF-476)? What  
else do I need to take into consideration?

Thanks!

73s.....

Charles  
WB4OWL

--

Charles Furnweger	NEC Electronics, Inc.	Mountain View, CA
Voice: 415 965-6433	charles@asic.mtv.nec.com	FAX: 415 965-6374

From owner-qrp-l@netcom.com Tue Nov 22 05:54:51 1994



From: rheiss@tuba.aix.calpoly.edu  
Date: Mon, 21 Nov 1994 08:03:23 -0800  
Message-Id: <9411211603.AA42394@tuba.aix.calpoly.edu>  
Subject: Phone SS Report

In my first phone contest, I made 38 QSOs in 9 hours. Yes, even a low-tech Argonaut 509 with simple wire antennas was enough for a fun entry. My best DX was Connecticut, and I had a two-way QRP with W2CRS in Colorado.

Band	QSOs	Sections
40m	21	CO EWA LAX MI NV OR ORG SDG SV UT
20m	11	AZ CO CT ENY ID MO NM NNJ STX UT
15m	6	IL PAC SB STX TN

Robert Heiss K06KA Atascadero, CA

From owner-qrp-l@netcom.com Tue Nov 22 05:36:04 1994  
Date: Mon, 21 Nov 1994 09:25:15 -0330 (NST)  
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>  
Subject: Re: QRP Christmas Shopping  
Message-Id: <Pine.3.87.9411210915.C9834-0100000@random.ucs.mun.ca>

Dennis - I will pay for "The Joy of QRP" in whatever dollars are acceptable - US dollars, Canadian Dollars, Euro Dollars, Gatt Dollars, QRP Dollars (my favorite).

72 Bob V01DRB/WA6ERB

PS: Santa is my banker - cheque exchanger

From owner-qrp-l@netcom.com Tue Nov 22 06:29:44 1994  
From: K7YHA@aol.com  
Date: Sat, 19 Nov 1994 22:44:50 -0500  
Message-Id: <941119224450\_3238949@aol.com>  
Subject: QRP Vol-III

Ok Gang:  
Have the 3 pix lined up for the 130V and the FT-301S. Still need the rest. Remember this is your chance to be famous. You'll get photo credit for your picture, and WA8MCQ will get a free copy to review for the QRP Quarterly.

Still need:  
Argo 505  
Argo 535

T-T Argosy or Argosy-II

T-T Century 22

FT-7B

MFJ 9020

A&A engineering QRP rig

(and what ever else I had on the original list that I've forgotten to put on this list)

72

rich

From owner-qrp-l@netcom.com Tue Nov 22 06:16:39 1994

Date: Mon, 21 Nov 94 08:51:16 PST

From: Roger L Traylor <Roger\_L\_Traylor@ccm.jf.intel.com>

Message-Id: <941121085116\_10@ccm.hf.intel.com>

Subject: R2 current consumption - Results

Text item: Text\_1

Gang,

Thanks one and all for the comments and suggestions. As usual, this group is most helpful and knowledgeable.

I followed the recommendation of in some way terminating the sidetone input. I connected a 4in. piece of wire to the sidetone input pad and powered the R2 up to try different ways of ac grounding the input. The R2 originally drew 160ma with the pot turned all the way down. By simply attaching the 4in. wire without connecting it to anything, the current consumption dropped to 130ma. I did not remove the wire to again recheck these results but I do know my readings were accurate. Connecting the wire to ground with or without a cap made no difference. Encouraged by this improvement, I dropped the value of R50 (I think, don't have the schematic with me) to 22K. This allowed me to adjust the current from about 35ma to 110ma. Mission accomplished.

I have noticed that the current consumption slowly increases as the rig warms up. I saw it rise 10ma in about 2min from a cold start in my 50deg garage. Perhaps this circuit is not as thermally stable as it could be. I did not monitor the current further to see how high it goes. I intend to do this at some point however. I also intend to raise the value of the feedback resistor on the first amplifier stage as I feel the audio gain is not sufficient.

Thanks again to all who helped.

Roger Traylor WB4TPW

From owner-qrp-l@netcom.com Mon Nov 21 13:32:27 1994

Date: Mon, 21 Nov 94 08:36:12 EST

From: wendler@tomcat.rd.ray.com (John Wendler)  
Message-Id: <9411211336.AA14754@tomcat.rd.ray.com>  
Subject: Re: restore bad ferrites

> There is another way of restoring toroid cores, that could be almost  
> as exciting as spoiling spouse's supper. You will require a HIGH  
> current A.C. source, such as power from the 60 Hz. A.C. line. A means  
> of adjusting the current is necessary as well.  
> An appropriate setup would be a VARIAC (a variable Autotransformer)  
> going into a step-down transformer (something like 6.3v A.C. out).  
> Wind as many turns of heavy gage wire through the core to be restored  
> as you can fit, and connect to the low-voltage output of the step-down  
> transformer. To get a nice high current flowing thru the wire, the  
> connections must be very low-resistance.  
> To restore the core, turn up the VARIAC , and very SLOWLY turn it  
> down again. By slowly, take about twenty seconds to turn it down.  
>  
> The idea here is to get the core magnetically saturated on the  
> peaks of the 60 Hz. waveform. Since the core will alternately be  
> saturated first one way (on +ve peaks), then the other way (on -ve  
> peaks), if you slowly decrease the current, the core will be left  
> with random magnetization in the end.....its restored!  
> Larger cores will require more current to restore. The really small  
> memory cores (you can't fit them onto a resistor lead) require half an  
> amp to saturate. I'd roughly guess that a small FT37 or T50 type  
> core that is common in ham usage would require tens of amps to  
> adequately saturate, and restore.  
>  
> Glen Leinweber VE3DNL leinwebe@mcmail.mcmaster.ca  
>  
>

This is a nice variant of the "ring down" technique that I mentioned  
in a previous post. The critical quantity that needs to be maximized  
is not current alone, but ampere-turns. Ampere-turns is, as might  
be expected,  $N \cdot I$ . If, for example, a core requires 10 Ampere-turns to  
saturate, then this can be reached with 10 A through 1 turn, 5 A through  
2 turns, or 100 mA through 100 turns. Hope this saves someone from  
threading some #8 gauge wire 8-)  
73 de N5CQU

From owner-qrp-1@netcom.com Tue Nov 22 05:31:54 1994  
From: sehneg@austin.ibm.com (Sehne)  
Message-Id: <9411212234.AA05827@n2kty.austin.ibm.com>  
Subject: Re: restore bad ferrites  
Date: Mon, 21 Nov 94 16:34:11 -0600

Your message dated: 18 Nov 94 12:31:41 EST

> There is another way of restoring toroid cores, that could be almost as exciting as spoiling spouse's supper. You will require a HIGH current A.C. source, such as power from the 60 Hz. A.C. line. A means of adjusting the current is necessary as well.

What about using a Weller Soldering Gun & passing through the toroid? That's a high current AC field & can slowly be withdrawn. I used to do this for cassette tape heads (with amplifier off, & without touching the head) with good effect. Any thoughts?-N2KTY (Gary)

From owner-qrp-l@netcom.com Mon Nov 21 14:03:53 1994  
Date: Mon, 21 Nov 94 08:53:21 EST  
From: junger@mtn.er.usgs.gov (John Unger)  
Message-Id: <9411211353.AA15404@mtn.er.usgs.gov.er.usgs.gov>  
Subject: Sierra xvcv

I recently saw a reference to the Northern Calif. QRP Club's "Sierra" multiband transceiver. Does anyone here have any information on specs, cost, etc.?

tnx es 73 - John, W3GOI

From owner-qrp-l@netcom.com Tue Nov 22 06:33:26 1994  
From: K7YHA@aol.com  
Date: Sat, 19 Nov 1994 22:47:59 -0500  
Message-Id: <941119224757\_3240639@aol.com>  
Subject: TH7DX

Well, I finally got the TH7 up on the 50 foot tower last weekend. Now I am officially "the terror of 20 meters"!

This was the biggest antenna project I have ever tried and it was a "learning experience", to say the least.

10 meters just had a sporadic-E opening this evening (Nov 19). It was wild to work stations using the new beam.

See ya'all on the bands.

72  
rich

From owner-qrp-l@netcom.com Tue Nov 22 05:15:01 1994  
Date: Mon, 21 Nov 94 18:53:02 -0800  
From: djwang@nmrsg.biophys.upenn.edu (DJ Wang)  
Message-Id: <9411220253.AA27559@nmrsg.biophys.upenn.edu>  
Subject: Thanks re: SSB/CW project

Many thanks to the overwhelming responses and suggestions. I really appreciated the help. I will post the result of my CW/SSB qrp project when I finish it. I had finally finished the SSB generator. It took me a while to make the stubborn XTAL on the NE602 to oscillate at the same frequency with the BFO osc on the Rx side. I was surprised that these two XTALs resonate at almost identical frequency on my test oscillator circuit behave so differently on different circuits. The one on the NE602 (SSB audio/rf mixer) oscillate at nearly 3KHz higher than the one work with a MPF102. May be the MPF102 have a larger parallel capacitance on the gate input? Anyway, I had to use a XTAL from different batch (which resonates at a freq 2KHz lower than the other one) to get it right. Thanksgiving and Christmas is coming soon, it is probably the best time to finish all those projects waiting to be built (Don't have any relatives here in this country, therefore have plenty of time during the holidays to spend with my XYL and kids and Radios). Happy thanksgivings everybody!

72 D.J. N2YKP  
MMRRCC, Dept. of Radiology  
University of Pennsylvania  
423 Guardian Dr. Basement, BRB-1  
Philadelphia, PA 19104-6021  
Phone: (215) 898-9357  
djwang@nmrsg.biophys.upenn.edu

From owner-qrp-1@netcom.com Mon Nov 21 23:03:24 1994  
Date: Mon, 21 Nov 94 19:24:48 CST  
From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)  
Message-Id: <9411220124.AA15647@collie.aud.alcatel.com>  
Subject: Things for sale

I vote no... sorry guys... although we could entertain a request type thing where folks could ask for something they're interested in, with responses to private Email only... then again....  
Mike KE4PC

From owner-qrp-1@netcom.com Mon Nov 21 22:00:47 1994  
From: Rick=Jones%InfoServices%District@banyan.cccd.edu  
Message-Id: <199411212038.MAA29907@mail.netcom.com>  
Date: Mon, 21 Nov 94 12:37:03 PST  
Subject: unsubscribe

unsubscribe qrp-1

From owner-qrp-1@netcom.com Mon Nov 21 21:33:04 1994  
Date: Mon, 21 Nov 1994 18:21:00 +0000  
From: william.redfearn.cmwdr01@nt.com  
Message-Id: <"8619 Mon Nov 21 17:53:32 1994"@nt.com>

Subject: Want dead HF rig

Looking for late model HF rig (WARC) with blown finals for a QRP project.  
Especially interested in FT-707, IC-735, TS-530s, FT-101ZD, or any  
TEN-TEC rigs.  
73-Dave.

=====  
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.  
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of  
my employer, co-workers or any other person, real or imaginary.

From owner-qrp-1@netcom.com Tue Nov 22 02:30:40 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Where's the ARCI Prez?  
Date: Mon, 21 Nov 94 23:41:30 EST5EDT  
Message-Id: <1994Nov21.234130.16769@wb3ffv.ampr.org>

I see someone has taken the lid off the bit bucket, because my postings  
are falling into it again. Here's a reprint, and maybe this one will  
make it: Has anyone heard from Les Shattuck, WN2V, the Prez of the QRP  
ARCI? He seems to have disappeared from the face of the earth. His  
phone in NC (or was it SC?) has been disconnected. He was once talking  
about the possibility of relocating somewhere, but guess he may have  
finally done it. No response by mail from him in some time--he is long  
overdue on his "monthly" mailings to the Board of Directors and  
officers, and no reply to recent mail sent via USPS. If anyone knows  
where he is, please let me know. Thanks. 73 and Queue Our Pea DE  
WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Tue Nov 22 06:36:31 1994  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Where's the ARCI Prez?  
Date: Sat, 19 Nov 94 15:57:38 EST5EDT  
Message-Id: <1994Nov19.155738.22735@wb3ffv.ampr.org>

Just curious if anyone has communicated with Les Shattuck lately, the

Prez of the QRP ARCI. I tried calling a couple weeks ago and it just kept on ringing--didn't have his machine turned on. Today I tried twice and both times got a recording saying the number had been disconnected. That doesn't surprise me too much, as he had indicated long ago that he might relocate depending on how the job situation worked out. Anyone know where he is? 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org

E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org

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